[L Num	berl Hits	Search Text	<u> </u>	Time stamp
1		6471936.pn.	UŠPAT;	2003/12/28 17:33
l I	1		US-PGPUB;	
	į	ı I	'EPO; JPO; DERWENT;	1
i	1		IBM TDB	İ
2	1	6471936.pn.	USPAT;	2003/12/28 17:33
l I	1	•	US-PGPUB; EPO; JPO;	`
	i) 	IBM TDB	1
3	, 1	6471936.pn. and cataly\$8	USPĀT;	2003/12/28 17:38
	į	1	US-PGPUB;	
!		·	EPO; JPO; IBM TDB	i
4	1 1	6471936.pn. and gas	USPAT;	2003/12/28 17:52
l I			US-PGPUB;	· ·
	}	i	'EPO; JPO;	1
. 5	. 1	 6471936.pn. and (hydrogen "H.sub.2") and	IBM_TDB USPAT;	2003/12/28 17:56
		(iron Fe)	US-PGPUB;	1
1		I	EPO; JPO;	
6	0	6471936.pn. and (hydrogen "H.sub.2") and	IBM_TDB USPAT;	2003/12/28 17:57
		(iron Fe) and sulfur	US-PGPUB;	
		ı	EPO; JPO;	
7	. 1	! - 6471936.pn. and (hydrogen "H.sub.2") and	IBM_TDB USPAT;	2003/12/28 18:28
,		(iron Fe) and ("S" sulfur)	US-PGPUB;	2003/12/20 10.20
 		i i	EPO; JPO;	
	1	1 (212 (40E) CCLO	'IBM_TDB	1 2002/12/20 10-20
8	. 1111	(313/495).CCLS.	USPAT; US-PGPUB	2003/12/28 18:29
9	432	(313/496).CCLS.	'USPAT;	12003/12/28 18:29
	202	(212/107)	US-PGPUB	
10	393	(313/497).CCLS.	USPAT;	2003/12/28 18:29
111	1013	(313/311).CCLS.	USPAT;	2003/12/28 18:29
		1	US-PGPUB	1
12	884	(313/310).CCLS.	USPAT;	1 2003/12/28 18:29
13	148	(345/75.2).CCLS.	US-PGPUB USPAT;	2003/12/28 18:29
		ı	US-PGPUB	
· -		moravsky-alexander-p.in.	USPAT;	2003/10/29 11:27
i İ		loutfy-raouf-c.in.	US-PGPUB; EPO; JPO;	:
		I	DERWENT;	1
		!	IBM_TDB	'
-	4	(moravsky-alexander-p.in.	'USPAT; US-PGPUB;	2003/12/25 13:41
İ		! loutfy-raouf-o.in.) and nanotube	EPO; JPO;	`
1			DERWENT;	!
1	-	- 	IBM_TDB	2002/04/01 12 02
' -	1	fullerene-international-corporation.as.	USPAT;	2003/04/01 18:29
-	1	į	EPO; JPO;	•
•			DERWENT;	
1		6045760 mm	IBM_TDB	2002/04/02 10-21
-	1	6045769.pn.	USPAT; US-PGPUB;	2003/04/02 10:31
1		1	EPO; JPO;	•
•			DERWENT;	
 -	1 <u>4</u> Q 1	nanotubes	IBM_TDB USPAT;	2003/04/01 18:45
•	1431		EPO; JPO;	2003/04/01 10.43
i 1	:	 	DERWENT;	
l	1	I nanotubos and granicas	IBM TDB	1 2002/04/02 10:17
_	1 46	nanotubes and graphene	USPAT; EPO; JPO;	2003/04/02 10:17
i	į		DERWENT;	}
		 	IBM_TDB	1

26	nanotubes and graphere	ŪSPĀT; EPO; JPO;	2003/04/01 19:03
_	nanotubes.bi. and graphene.bi.	DERWENT; IBM_TDB USPAT; EPO; JPO;	2003/04/01 18:46
- 7	nanotubes.bi. and graphene adj layer.bi.	DERWENT; IBM_TDB USPAT; EPO; JPO;	2003/04/01 18:48
- 1	nanotubes.bi. and graphene adj layer.bi. and electron same (emit emissive	DERWENT; IBM_TDB USPAT; EPO; JPO;	2003/04/01 18:48
1	emission).bi. 2002-527388.NRAN. graphene	DERWENT; IBM_TDB DERWENT USPAT;	; 2003/04/01 18:59 2003/04/01 19:03
- 12	nanotubes same graphene	'EPO; JPO; DERWENT; IBM_TDB 'USPAT;	2003/04/02 10:18
- 12	nanotubes same graphene	EPO; JPO; DERWENT; IBM_TDB USPAT; EPO; JPO;	2003/04/02 10:24
 -	(nanotubes nanofiber fibril bucky adj tube) same graphene with layer	DERWENT; IBM_TDB USPAT; EPO; JPO;	i 2003/04/02 10:49
	6045769.pn.	DERWENT; IBM_TDB USPAT USPAT;	2003/04/02 10:31 2003/04/02 10:31
	tube) and 6045769.pn. (nanotubes nanofiber fibril bucky adj	EPO; JPO; DERWENT; IBM_TDB USPAT;	2003/04/02 10:32
' ! ! !	tube) and 6045769.pn. and (graphene graphitic)	EPO; JPO; DERWENT; IBM_TDB	; ! !
	6045769.pn. and (graphene graphitic) with layer	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/04/02 10:43
- 216	fullerene with nanotube	USPAT; EPO; JPO; DERWENT; IBM TDB	2003/04/02 10:47
!	(nanotubes nanofiber fibril bucky adj tube) same ((ordered adj carbon) graphene) with layer	USPAT; EPO; JPO; DERWENT; IBM TDB	2003/04/02 11:11
	graphene with ordered adj carbon adj layer	USPAT; EPO; JPO; DERWENT; IBM TDB	2003/04/02 10:51
_	graphene same ordered adj carbon adj layer	USPAT; EPO; JFO; DERWENT; IBM TDB	2003/04/02 10:51
58	(nanotubes nanofiber fibril bucky adj tube) same (((ordered adj carbon) graphene) with layer (basal adj plane))	USPAT; EPO; JPO; DERWENT; IBM TDB	2003/04/02 10:58
28	graphene with graphite	USPAT; EPO; JPO; DERWENT; IBM TDB	2003/04/02 11:05

	0	graphene with ordered adj carbon		[2003/04/02]11:05
ì	1		EPO; JPO;	1
	į į		DERWENT;	İ
ļ			IBM_TDB	!
! -	3	graphene same ordered adj carbon	USPAT;	2003/04/02 11:05 '
	1 1		EPO; JPO;	I
1	į		DERWENT;	i
1			IBM_TDB	İ
-	1 20	(nanctubes nanofiber fibril bucky adj	USPAT;	2003/04/02 11:13
	1	tube) same ((graphene) with layer (basal	EPO; JPO;	ļ
i	1	adj planes))	DERWENT;	ļ į
1	1		IBM_TDB	į
-	27	(nanotubes nanofiber fibril bucky adj	USPAT;	2003/04/02 11:16
i	:	tube) same ((graphene) with (sheet layer)	EPO; JPO;	
1		(basal adj planes))	DERWENT:	!
!	1		IBM_TDB	•
-	18	(nanotubes bucky adj tube) same	USPAT:	2003/04/02 11:17
1	i	((graphene) with (sheet layer) (basal adj	EPO; JPO;	!
İ		planes))	DERWENT;	
1	1		IBM TDB	
-	20	(nanotubes bucky adj tube CNT DWNT MWNT	USPĀT;	2003/04/02 11:18
1	į	SWNT) same ((graphene) with (sheet layer)	EPO; JPO;	
ļ		(basal adi planes))	DERWENT;	ļ
	1		IBM TDB	
. –	! 8	(US-6471936-\$ or US-6409567-\$ or	USPĀT: JPO	2003/04/02 12:50
		US-6400088-\$ or US-6529312-\$ or		
!	1	US-6511527-\$ or US-6156256-\$ or	İ	I
	1	US-6139919-\$).did. or		
1		(JP-2001048509-\$).did.		' !
l =		((US-6471936-\$ or US-6409567-\$ or	USPAT;	2003/04/02 12:53
	1		US-PGPUB;	=======================================
1	1	US-6511527-\$ or US-6156256-\$ or	EPO; JPO;	! !
!			DERWENT;	'
1	1	(JP-2001048509-\$).did.) and (electron with		
	1	(emit emission emitting emitted))	121100	
ι –		(US-6471936-\$ or US-6409567-\$ or	USPAT;	2003/04/02 12:54
i	9	US-6400088-\$ or US-6529312-\$ or	US-PGPUB;	2003/04/02 12:34
	!	US-6511527-\$ or US-6156256-\$ or	EPO; JPO;	I
	'	US-6139919-\$).did. or	DERWENT;	l i
	·	(JP-2001048509-\$).did.) and (electron with		İ
1	1	(emit emission emitting emitted)) same	i	
	į l	nanotube		
! _		((US-6471936-\$ or US-6409567-\$ or	. USPAT;	2003/04/02 13:05
ļ	ŭ	US-6400088-\$ or US-6529312-\$ or	US-PGPUB;	2003/04/02 13:03
	1	US-6511527-\$ or US-6156256-\$ or	EPO; JPO;	!
	1	US-6139919-\$).did. or	DERWENT;	l ,
!	ļ		IBM TDB	
1	1	(emit emission emitting emitted)) same	1 100-100	
	i	nanotube and graphene		ı
1_	ς :		USPAT	2003/04/02 12:55
1	3 '	"5697827" "6057637").PN.	ODENT	2003/04/02 12:33 '
_	1 0	6409567.URPN.	USPAT	2003/04/02 12:56
_		((US-6471936-\$ or US-6409567-\$ or		
1	3		USPAT;	2003/04/02 13:06
i	1	US-6400088-\$ or US-6529312-\$ or	US-PGPUB;	1
	!	US-6511527-\$ or US-6156256-\$ or	EPO; JPO;	!
		US-6139919-\$).did. or	DERWENT;	1
	,	(JP-2001048509-\$).did.) and (electron with	i TDM_TDD	
1	1	(emit emission emitting emitted)) same	I	
	1 21	(dwnt mwnt nanotube) and graphene	TICDAM -	2003/04/02 13:06
ļ -	31	(electron with (emit emission emitting	USPAT;	2003/04/02 13:06
1		emitted)) same (dwnt mwnt nanotube) and	US-PGPUB;	I.
	1	graphene	EPO; JPO;	
1	t j	İ	DERWENT;	'
İ	_	 	IBM_TDB	0000101100 == ==
-	7	(electron with (emit emission emitting	USPAT;	2003/04/02 13:08
		emitted)) same (dwnt mwnt nanotube) and	EPO; JPO;	
i	1	graphene	DERWENT;	,
ì			IBM_TDB	

[5	(electron with (emit emission emitting	USPAT;	2003/04/02 15:07
1	!	emitted)) same (dwnt m.wnt nanotube) and	EPO; JPO;	
!		graphene and graphene with (layer sheet)	DERWENT;	1
ļ	l _		IBM_TDB	į
-		2001048509.URPN.	USPAT	2003/04/02 13:12
[-		i ("5367222" ! "5479018" "6118125").PN.	·	12003/04/02 13:13
1 -	i 0	(("5367222" "5479018" ! "6118125").PN.)	USPAT	2003/04/02 13:18
1	1	and nanotube		
1		6045769.pn. and graphene	USPAT	2003/04/02 13:18
-		6045769.pn. and (nanotube swnt dwnt mwnt)	USPAT	2003/04/02 13:18
		6045769.pn.	USPAT	2003/04/02 13:33
1		6417936.pn.	USPAT	2003/04/02 13:34
_		6417936.pn. and surface 6471936.pn.	USPAT	2003/04/02 13:34
1 -		6471936.pn. and surface	USPAT USPAT	2003/04/02 13:34 2003/04/02 13:34
1 _	! 2	(electron with (emit emission emitting	USPAT;	2003/04/02 15:45
	i	'emitted)) same (cnt) and graphene and	EPO; JPO;	2003/04/02 13.43
!		graphene with (layer sheet)	DERWENT;	'
ı	Ļ	graphene with (rayer sheet,	IBM TDB	ı
, -	1	6409567.pn.	USPAT	2003/04/02 15:16
_	1	i anala a a a a a a a a a a a a a a a a a		2003/04/02 15:40
	Į	swnt dwnt mwnt)	i	1
, -	1	The state of the s	USPAT	2003/04/02 15:40;
-	0	(electron with (emit emission emitting	USPAT;	2003/04/02 16:12
•	1	, emitted)) same (nanotube) and graphene and	EPO; JPO;	1
1	1	graphene with (layer sheet) and (alkali	DERWENT;	i
İ		calcining)	IBM TDB	i
~	0	(electron with (emit emission emitting	USPĀT;	2003/04/02 16:13
ļ		emitted)) same (nano-tube) and graphene	EPO; JPO;	1
	1	and graphene with (layer sheet) and	DERWENT;	'
	I	(alkali calcining)	ACT MEI	1
-	0	(electron with (emit emission emitting	USPAT;	2003/04/02 16:14
1	1	emitted)) same (nano adj tube) and	EPO; JPO;	
1	l	graphene and graphene with (layer sheet)	DERWENT;	!
-		'and (alkali calcining)	IBM_TDB	·
-	} 0	(electron with (emit emission emitting	USPAT;	2003/04/02 16:14
1	1	emitted)) same (carbo adj tube) and	EPO; JPO;	i j
· ·	1	graphene and graphene with (layer sheet)	DERWENT;	ļ
		and (alkali calcining)	'IBM_TDB	1
! -	U	(electron with (emit emission emitting		1 2003/04/02 16:14
t	1	emitted)) same (carbon adj tube) and	EPO; JPO;	
	1	graphene and graphene with (layer sheet)	DERWENT;	į I
l 		and (alkali calcining) (electron with (emit emission emitting	IBM_TDB	2002/04/02 16:15
, -	!	emitted)) same (carbon adj tube) and	USPAT;	2003/04/02 16:15
1	1	graphene and graphene with (layer sheet)	EPO; JPO;	!
i i		, graphene and graphene with (layer sheet)	DERWENT; IBM TDB	i
' <u>-</u>	1 0	(electron with (emit emission emitting		2003/04/02 16:15
i		emitted)) and (carbon add tube) and	EPO; JPO;	1 2003/04/02 10.13
1	ı	graphene and graphene with (layer sheet)	DERWENT;	,
	i		IBM TDB)
! -	5	(electron with (emit emission emitting	USPAT;	2003/04/02 16:17
1	!	emitted)) and (nanotube) and graphene and	EPO; JPO;	
	İ	graphene with (layer sheet)	DERWENT;	į
1		, , , , , , , , , , , , , , , , , , , ,	IBM TDB	I
1 _	1 2	(electron with (emit emission emitting	USPAT;	2003/04/02 16:19
		(emitted)) and (nano adj tube) and graphene	EPO; JPO;	i
1		and graphene with (layer sheet)	DERWENT;	
1	!		IBM TDB	į.
, -	1 1	2001-435393.NRAN.	DERWENT	2003/04/02 16:19
-	2	(electron with (emit emission emitting	USPAT;	2003/04/02 16:24
	1	emitted)) and (carbon adj4 tube) and	EPO; JPO;	1
l	I	graphene and graphene with (layer sheet)	DERWENT;	ı
į		-	IBM TDB	
_	54347	(electron with (emit emission emitting	USPĀT;	2003/04/02 17:25
l			EPO; JPO;	
ĺ	1		DERWENT;	
	Ĺ	1	IBM_TDB	i
		 		

	₁ -	((electron with (emit emission emitting	[USPĀT;	2003/04/02 16:35
1		((electron with (exit emission emitting emitted))) and double adj walled adj	EPO; JPO;	2003/04/02 10.33
1		nanotube and graphene with (sheet layer)	DERWENT;	
·	1		IBM_TDB	
-		((electron with (emit emission emitting	USPAT;	2003/04/02 16:35
I	ì	emitted))) and nanotube same graphene with	EPO; JPO;	'
i ,	ı	(sheet layer)	DERWENT;	1
	ا ۾	((electron with (emit emission emitting	'IBM_TDB USPAT;	2003/04/02 16:36;
İ	5 1	emitted))) and (nano adj tube nanotube)	EPO; JPO;	2003/04/02 10:50
1] 	same graphene with (sheet layer)	DERWENT;	1
1	i		IBM TDB	! !
1 -		((electron with (emit emission emitting	USPAT;	2003/04/02 16:43 !
İ		emitted))) and (nano adj tube nanotube	EPO; JPC;	!
Į.	!	carbon adj tube) same graphene with (sheet	DERWENT;	
' _ !	! 1.	layer) ((electron with (emit emission emitting	IBM_TDB USPAT;	2003/04/02 17:24
		emitted))) and double adj walled adj (nano	EPO; JPO;	1 2003/04/02 17:24
	'	adj tube nanotube)	DERWENT;	Ì
	\ !		IBM_TDB	L
	1 ,	((electron with (emit emission emitting		1 2003/04/02 17:24
İ, ,	1	emitted))) and dwnt	EPO; JPO;	I .
:	i	1	DERWENT; IBM TDB	! !
-	489	double adj walled adj nanotube (nano adj	USPAT;	2003/04/02 17:27
		tube)	EPO; JPO;	1
) 		DERWENT;	i į
İ			IBM_TDB	
-		(electron with (emit emission emitting	USPAT;	2003/04/02 17:25
1	1	emitted)) same graphene	EPO; JPO; DERWENT;	'
i	I		IBM TDB	
. -	5	(double adj walled adj nanotube (nano adj	USPAT;	2003/04/02 17:26
İ		tube)) and graphene	EPO; JPO;	
,	!		DERWENT;	1
1	'		IBM_TDB	0000/04/00 15 05
i -	4. I	(double adj walled adj nanotube (nano adj	USPAT;	2003/04/02 17:26
	I	tube)) same graphene	'EPO; JPO; DERWENT;	
!	'	•	! IBM TDB	1
-	1	double adj walled adj (nanotube (nano adj	USPAT;	2003/04/02 17:27
1		tube))	EPO; JPO;	1
i			DERWENT;	I
	1	1 4- 51411341 (0	IBM_TDB	1 2002 (04 (02 17 20)
! -	1 ,	double adj wall adj (nanotube (nano adj tube))	USPAT; EPO; JPO;	2003/04/02 17:30
1	I	Edbe,)	DERWENT;	1
1] 	IBM TDB	1
i -	. 15	(nano adj tube nanotube) with multilayer	USPĀT;	2003/04/02 17:39
		- 	EPO; JPO;	I I
1			DERWENT;	!
1_	2	6471936.pn.	IBM_TDB USPAT;	1 2003/04/02 17:39
_	i ²	04/1330.pm.	EPO; JPO;	1 2003/04/02 17:39
1		I	DERWENT;	
1	l		IBM TDB	!
_	1	6471936.pn. and graphene and (nano adj	USPĀT;	2003/04/02 18:10
!		tube nanotube)	EPO; JPO;	
	l I		DERWENT;	
! =	3	catalytic adj disproportionation with CO	IBM_TDB USPAT;	2003/04/02 18:12
i –		same graphene	EPO; JPO;	2003/04/02 10:12
1	į	1	DERWENT;	i
i		ı	IBM_TDB	
-	. 2	6346136.pn.	USPĀT;	2003/04/02 18:15
i	1	! !	EPO; JPO;	1
1	1		DERWENT;	1
·			IBM_TDB	

1	- 2	6346136.pm. and catalytic	ŪSPAT; EPO; JPO;	2003704/02 18:38
!	,		DERWENT;	1
	216;	fullerene with nanotube		2003/04/02 18:38
1	1		EPO; JPO; DERWENT; IBM TDB	
- 1	59095	electron with (emit emission emitting emitted)	USPĀT; US-PGPUB;	2003/04/03 11:06
	!		EPO; JPO; DERWENT; IBM TDB	
'-		(electron with (emit emission emitting emitted)) and tubules same (emissive	USPĀT; US-PGPUB;	2003/04/03 11:06
i 	ļ	emission)	EPO; JPO; DERWENT; IBM TDB	' !
-	54347	electron with (emit emission emitting emitted)	USPAT; EPO; JPO;	2003/04/03 11:06
			DERWENT; IBM_TDB	
- !	18	<pre>(electron with (emit emission emitting emitted)) and tubules same (emissive emission)</pre>	USPĀT; US-PGPUB; EPO; JPO;	2003/04/03 11:07
	 		DERWENT; IBM TDB	1
-	ı	(electron with (emit emission emitting emitted)) and tubules same (emissive	USPAT; US-PGPUB;	2003/04/03 11:07
i 1	1	emission) not nanotube	EPO; JPO; DERWENT; IBM TDB	1
_	8	<pre>(electron with (emit emission emitting emitted)) and tubules same (emissive</pre>	US-PGPUB;	2003/04/03 11:18
1	ļ	emission) not nanotube	EPO; JPC; DERWENT; IBM TDB	1 !
-		(double dual) adj (walled wall layer sheet) with nanotube and graphene	USPĀT; US-PGPUB;	2003/10/29 11:14
i i	I		EPO; JPO; DERWENT; IBM TDB	
-		(double dual) adj (walled wall layer sheet) with nanotube and sulfur and	USPAT; US-PGPUB;	2003/04/03 11:56
	i	catalyst	EPO; JPO; DERWENT; IBM TDB	i
_	o 1	(double dual) adj (walled wall layer sheet) with nanotube and lattic adj	USPAT; US-PGPUB;	2003/04/03 11:57
1	į į	spacing	EPO; JPO; DERWENT;	
- !	1	(double dual) adj (walled wall layer sheet) with nanotube and lattice adj	IBM_TDB USPAT; US-PGPUB;	2003/04/03 11:58
	'	spacing	EPO; JPO; DERWENT;	! !
-	3	(double dual) adj (walled wall) with nanotube and graphene	IBM_TDB USPAT; US-PGPUB;	2003/12/28 13:14
	l I	, <u>, , , , , , , , , , , , , , , , , , </u>	EPO; JPO; DERWENT;	
_	10 ¦	dwnt	IBM_TDB USPAT; US-PGPUB;	2003/04/03 12:58
1			EPO; JPO; DERWENT;	i
j j _ j	6	dwnt	IBM_TDB USPAT;	2003/04/03 12:58
	! اد ـ ـ ـ .		EPO; JPO; DERWENT; IBM_TDB	

			,	
-	1	dwnt and nanotube	USPAT;	2003/04/03 13:57
	1	} !	EPO; JPO; DERWENT;	L
!			IBM TDB	1
` -	16	(257/e51.04).CCLS.	USPAT;	; 2003/04/03 14:03
1	•		US-PGPUB;	1
1	i		ZPO; JPO;	Į.
	i	! !	DERWENT;	
!	27	1 (057 / 51 04) (057 / 51 000)	IBM_TDB	1 0000 (01/00 01 00
' -		((257/e51.04) or (257/e51.038) or !(257/e51.039)).CCLS.	USPAT; US-PGPUB;	2003/04/03 14:12
l	•	(237/e31.039)).CCE3.	EPO; JPO;	į.
1	1		DERWENT;	\
	1	I	IBM TDB	į.
1 -	1915	((257/e51.04) or (257/e51.038) or	USPAT;	1 2003/04/03 14:12
I	į.		US-PGPUB;	1
	1	(313/311)).CCLS.	EPO; JPO;	i i
1			DERWENT;	į
1	1036	: //257/a51 04) am /257/a51 020) am	IBM_TDB	1 2002 (04 (02 14-12
_		: ((257/e51.04) or (257/e51.038) or '(257/e51.039) or (313/310) or	USPAT; EPO; JPO;	2003/04/03 14:13
1		(313/311)).CCLS.	DERWENT;	į
	1	(313731177.0016.	IBM TDB	1
1 -	3	dwnt and graphene	USPĀT;	2003/04/03 14:40
1			US-PGPUB;	· 1
	i	I	EPO; JPO;	1
1		ļ	DERWENT;	' ¦
,	1		IBM_TDB	1 2022 /10 /20 11 11
_	. 24	((double dual) adj (walled wall layer	USPAT;	2003/10/29 11:41
\ _	1 24	sheet) near3 nanotube DWNT) ((double dual) adj (walled wall layer	US-PGPUB USPAT;	; 2003/10/29 11:40
	1	sheet; near3 nanotube DWNT)	US-PGPUB	2003/10/23 11:40
_	17		USPAT;	2003/10/29 11:19
!	1		US-PGPUB	1
	17	((double dual) adj (walled wall layer	USPAT;	2003/10/29 11:40
1			US-PGPUB	i
		DWNT) and electron		1 ((
! -	3	((double dual) adj (walled wall layer	EPO; JPO;	2003/10/29 11:20
1	ı	sheet) near3 (nano adj tube nanotube) DWNT) and electron	DERWENT;	
, -		moravsky-alexander-p.in.	USPAT;	2003/10/29 11:37
		loutfy-raouf-o.in.	US-PGPUB;	1
	!	; materials-and-electrochemical-research-corp	ofaPOron/Pas.]
1		! fullerene-international-corporation.as.	DERWENT;	
1			IBM_TDB	
_		((double dual) adj (walled wall layer	JSPAT;	2003/10/29 11:29
		sheet) near4 (nano adj tube nanotube) DWNT) and electron	US-PGPUB	i i
' <u>-</u>	! 19	((double dual) adj (walled wall layer	USPAT;	2003/10/29 12:56
1		((double dual) adj (walled wall layer sheet) near5 (nano adj tube nanotube)	US-PGPUB	1 2003/10/23 12.30
1		DWNT) and electron	,	1
-	2	(((double dual) adj (walled wall layer	USPAT;	2003/10/29 11:29
			US-PGPUB	·
İ	1	DWNT) and electron) not (((double dual)	I	į.
	İ	adj (walled wall layer sheet) near4 (nano	:	1
_	2	<pre>iadj tube nanotube) DWNT) and electron) (moravsky-alexander-p.in.</pre>	ן יימסטיז.	2003/10/29 11:30
. –		loutfy-raouf-o.in.	USPAT; US-PGPUB	2003/10/29 11:30
l		naterials-and-electrochemical-research-corp		1
	1	fullerene-international-corporation.as.)		1
-	1 3	amdradwhy-addemendeduplinnear3 (wall\$5))	USPAT;	2003/10/29 11:31
		loutfy-raouf-o.in.	US-PGPUB;	
	1	materials-and-electrochemical-research-corp		!
!	1	fullerene-international-corporation.as.)	DERWENT;	1
! _	. 2	and (dwnt (double dual) near3 (wall\$5)) (moravsky-alexander-p.in.	IBM_TDB USPAT;	12003/10/29 13:14
		!loutfy-raouf-o.in.	USPAT; US-PGPUB;	1 2003/10/23 13:14
1		materials-and-electrochemical-research-corp		'
1	1	fullerene-international-corporation.as.)	DERWENT;	İ ı
	1	and (dwnt (double dual) near3	IBM_TDB	i i
		(wall\$5)).clm.		

1	<u>C</u>	(moravsky-alexander-p.in.	USPAT;	2003/10/29 11:35
İ	· ·	loutfy-raouf-o.in.	US-PGPUB;	12000, 10, 00 11.00
	1	materials-and-electrochemical-research-corp		
1		fullerene-international-corporation.as.)	DERWENT;	
i		and (dwnt (double dual) near3 (wall\$5) and		1
· -	. 0	¢mapaesky-almxander-p.in.	USPĀT;	2003/10/29 11:35
	1	loutfy-raouf-o.in.	US-PGPUB;	2000, 10, 23 11:00
		materials-and-electrochemical-research-corp		1
1	1	fullerene-international-corporation.as.)	DERWENT;	
	l.	and (dwnt (double dual) near3	IBM TDB	ļ
l _	37	nwaatsky)adexanded-graphene.clm.	USPAT;	2003/10/29 11:37
i	3/			2003/10/29 11:37
	i	loutfy-raouf-o.in.	US-PGPUB;	İ
ĺ		materials-and-electrochemical-research-corp		!
İ	ı	fullerene-international-corporation.as.	DERWENT;	
	1	and graphene	IBM_TDB	1
. ~	, 0	[(moravsky-alexander-p.in.	USPAT;	2003/10/29 11:37
i		loutfy-raouf-o.in.	US-PGPUB;	
•	1	materials-and-electrochemical-research-corp	of Poroni Pos.	1
	ļ	fullerene-international-corporation.as.)	DERWENT;	
1		and graphene	IBM TDB	•
! _	. 7	((double dual) adj (walled wall layer	USPĀT;	2003/10/29 11:40
		sheet) near3 nanotube DWNT) not (((double	US-PGPUB	1
l		dual) adj (walled wall layer sheet) near5	1	T.
1	1	(nano adj tube nanotube) DWNT) and	İ	
	i	'electron)		İ
i _	A		. וויכים אות.	2003/10/20 11:41
1 -	4	((double dual) adj (walled wall layer	USPAT;	2003/10/29 11:41
	1	sheet) near3 nanotube DWNT) and graphene	US-PGPUB;	I
1	t	1 	EPO; JPO;	i
}			DERWENT;	
•	}		'IBM TDB	1
-	22	((double dual) adj (walled wall layer	USPAT;	2003/10/29 14:36
i		sheet) near5 (nano adj tube nanotube)	US-PGPUB;	
ļ	1	DWNT) and electron	EPO; JPO;	
	į	1	DERWENT;	Į
l			, IBM TDB	İ
i _	. 0	64733351.pn.	EPO; JPO;	2003/10/29 13:04
		04/33331.pm.	DERWENT;	2003/10/23 13:04
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	1	(473351	IBM_TDB	2002/10/00 12 05
	į t	6473351.pn.	EPO; JPO;	2003/10/29 13:05
	!	1 	DERWENT;	1
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-	j 1	2000-558231.NRAN.	DERWENT	2003/10/29 13:04
-	. 2	6473351.pn.	USPAT;	2003/10/29 13:05
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l	1		DERWENT;	
	-	1	IBM TDB	İ
I -	1	6473351.pn. and (double dual)	USPĀT;	2003/10/29 13:05
I			EPO; JPO;	
	i	1	DERWENT;	1
İ		! !		· ·
i _	, 1	6473351 pp. and (dauble duel)	' IBM_TDB	. 2002/10/20 12:05
-	1	6473351.pn. and (double dual)	USPAT;	2003/10/29 13:05
I	•	\ 	EPO; JPO;	I
! }		1	DERWENT;	
:	ļ		IBM_TDB	i
-	1 3	(moravsky-alexander-p.in.	USPĀT;	2003/10/29 13:51
İ		loutfy-raouf-o.in.	US-PGPUB;	
l	l	materials-and-electrochemical-research-corp		i
	I	fullerene-international-corporation.as.)	DERWENT;	L
I		and (dwnt (double dual) near3	IBM TDB	
_	. 0	(mara\$\$ky:elmxander(varbon).clm.	USPAT;	2003/10/29 13:51
	!	-		1 2003/10/23 13:31
	l	loutfy-raouf-o.in.	US-PGPUB;	I
		materials-and-electrochemical-research-corp	1	
	1	fullerene-international-corporation.as.)	DERWENT;	j.
	Į.	and (dwnt (double dual) near3	[IBM_TDB	I o
-	22	(wddwbbe)duam) add (warbed)welm.laydr	USPĀT;	2003/10/29 14:45
	1	ghephennear5 ((graphitic nano) adj (tube	US-PGPUB;	I
	l	tubule) nanotube) DWNT) and electron	EPO; JPO;	İ
	•	I	DERWENT;	
\			'IBM TDB	I

-	1	6346136.pn.	USPAT;	2003/10729 14:48
	İ	: 	US-PGPUB;	i
İ			EPO; JPO;	l
	1	I	DERWENT;	1
1 -	2	6471936.pn.	IBM_TDB	2003/10/29 14:59
1		04/1930.pm.	USPAT;	2003/10/29 14:59
	V	1	EPO; JPO;	
l.			DERWENT;	i
1	ļ.		IBM TDB	1
_	2	6409567.pn.	USPAT;	2003/10/29 14:59
1		,	US-PGPUB;	2003/10/23 17.03
	1	I	EPO; JPO;	1
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-	1	6409567.pn.	USPAT;	2003/10/29 15:01
!			US-PGPUB;	1
1	1		EPO; JPO;	
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1 -	96	carbon adj nanotube near7 sheet	USPAT;	2003/10/29 15:07 i
'	į		US-PGPUB;	i
	1	<u> </u>	EPO; JPO;	I t
1			IBM_TDB	0000 (00 100 00 00 00 00
-	5/	carbon adj nanotube near7 sheet not	USPAT;	2003/10/29 15:07
1	1	graphene	US-PGPUB;	i i
1	i		EPO; JPO;	
_	i ,	6471936.pn.	'IBM_TDB USPAT;	1 2003/12/25 12:57
-	1	1 0471930.pm.		1 2003/12/25 12:5/
1	I		US-PGPUB; EPO; JPO;	1
ı	I		IBM TDB	i :
i -	1	6471936.pn. and (multi multiple)	USPAT;	2003/12/25 13:12
	-	orresorer and (marer marere)	US-PGPUB;	2003/12/23 13:12
ı	!	I I	EPO; JPO;	i į
i			IBM TDB	I
~	1	6471936.pn. and (multi multiple) and	USPAT;	2003/12/25 13:24
1		nanotube	US-PGPUB;	1
1	i		EPO; JPO;	·
	i	1	IBM TDB	1
i _	7	double adj walled adj nanotube dwnt and	USPĀT;	2003/12/25 13:25
ı	1	(emissive emission emit\$5) and electron	US-PGPUB;	1
	I		EPO; JPO;	i .
I I	_		IBM_TDB	!
' -	1 8	double adj walled adj nanotube dwnt and	USPAT;	2003/12/25 13:25
1	1	(emissive emission emit\$5) and electron	US-PGPUB;	1
1	ı		EPO; JPO;	1
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1 -	0	double add walled add nametube dust and	IBM_TDB	2002/12/25 12 27
1	!	double adj walled adj nanotube dwnt and (emissive emission emit\$5) and (double adj	USPAT;	2003/12/25 13:27
1	1	walled adj nanotube dwnt and (emissive	US-PGPUB;	1
1		emission emit\$5) and electron)	EPO; JPO; DERWENT;	1
	1		IBM TDB	1
1 -	0	mwnt near5 defin\$7	USPAT;	2003/12/25 13:28
1			US-PGPUB;	1 2000/12/20 13:20
	!	1	EPO; JPO;	i
J		 	DERWENT;	T.
1	l		IBM TDB	1
	! 0!	(multi adj walled adj nanotube) near5	USPAT;	2003/12/25 13:28
1	J I	defin\$7	US-PGPUB;	
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į.	!	 	DERWENT;	
İ			IBM TDB	
-	190	multi adj walled adj nanotube mwnt	USPĀT;	2003/12/25 13:28
1	·		US-PGPUB;	
İ			EPO; JPO;	1
•	1		DERWENT;	
	· 		IBM TDB	

i i	108 ⁻	multi adj walled adj nanotube mwnt with graphene	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003712/25 13:29
i - i	10 '	(multi adj walled adj nanotube mwnt) with graphene	IBM_TDB	2003/12/25 13:29
- !	7	(moravsky-alexander-p.in. loutfy-raouf-o.in.) and (nanctube SWNT DWNT MWNT)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/12/25 13:42
	4	<pre>(moravsky-alexander-p.in. loutfy-raouf-o.in.) and (nanotube SWNT DWNT MWNT).clm.</pre>	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/12/25 13:44
-	4	<pre>(moravsky-alexander-p.in. loutfy-raouf-o.in.) and (nanotube DWNT</pre>	DERWENT; IBM_TDB USPAT; US-PGPUB;	2003/12/25 16:08
 - 		MWNT (double multi) adj wall\$4 multiwall\$4 doublewall\$4).clm. materials near2 electrochemical near2 research	PEPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	2003/12/25 13:58
i - i -	<u> </u> 	fullerene-international-corporation.as. (materials near2 electrochemical near2	EPO; JPO; DERWENT; IBM TDB USPAT;	! ! ! ! 2003/12/25 16:16
		research fullerene-international-corporation.as.) and (DWNT MWNT (double multi) adj wall\$4 multiwall\$4 doublewall\$4) (moravsky-alexander-p.in.	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	
		loutfy-racuf-c.in.) and (DWNT MWNT (double multi) adj wall\$4 multiwall\$4 doublewall\$4).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/25 15:20
i - !	0	<pre>(moravsky-alexander-p.in. loutfy-raouf-o.in.) and (nanotube DWNT MWNT (double multi) adj wall\$4 multiwall\$4 doublewall\$4).clm. and anode.clm.</pre>	USPAT; US-PGPUB; EPO; JPC; DERWENT;	2003/12/25 16:12
- - - -	2	fullerene-international-corporation.as.)	US-PGPUB; EPO; JPO;	2003/12/25 16:27
· · · · · · · · · · · · · · · · · · ·	2758	and (DWNT MWNT (double multi) adj wall\$4 multiwall\$4 doublewall\$4) and (emiss\$6 emit\$6) (DWNT MWNT (double multi) adj wall\$4 multiwall\$4 doublewall\$4) and (emiss\$6	DERWENT; IBM_TDB USPAT;	2003/12/25 16:27
	290	emit\$6) (DWNT MWNT (double multi) near2 wall\$4	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2003/12/25 16:29
i !	1	<pre>near2 (nano adj tube nanotube) multiwall\$4 doublewall\$4 near2 (nano adj tube</pre>	US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003,12,23 10.23
- 	'	(DWNT MWNT (double) near2 wall\$4 near2 (nano adj tube nanotube) doublewall\$4 near2 (nano adj tube nanotube)) and (emiss\$6 emit\$6)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/25 16:56
_ - -	11	(DWNT (double) near2 wall\$4 near2 (nano adj tube nanotube) doublewall\$4 near2 (nano adj tube nanotube); and (emiss\$6 emit\$6)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/25 16:45
i 	 -		IBM TDB	

[7	25		ŪSPĀT;	~ 2003/12/25 16:45 <u> </u>
	i		adj tube nanotube) doublewall\$4 near2	US-PGPUB;	
				EPO; JPO;	i
ł	1		(two "2")) and (emiss\$6 emit\$6)	DERWENT;	I
1	'		: I	IBM_TDB	
-		12	(DWNT (double) near2 wall\$4 near2 (nano	USPAT;	2003/12/25 16:45 '
	!		adj tube nanotube) doublewall\$4 near2	US-PGPUB;	1
	:		(nano adj tube nanotube) graphene near5	EPO; JPC;	
į			(two "2") with nanotube) and (emiss\$6	DERWENT;	
	1		emit\$6)	'IBM_TDB	į
		1	(DWNT (double) near2 wall\$4 near2 (nano	USPAT;	1 2003/12/25 16:54
į	1		adj tube nanotube) doublewall\$4 near2	US-PGPUB;	'
	i		(nano adj tube nanotube) graphene near5	EPO; JPO;	!
1			i(two "2") with \$5tube) and (emiss\$6	DERWENT;	1
1	1		emit\$6) not ((DWNT (double) near2 wall\$4	IBM_TDB	·
	i		near2 (nano adj tube nanotube)		
1			doublewall\$4 near2 (nano adj tube	I	`
i			nanotube)) and (emiss\$6 emit\$6))	1	
-	ì	8	(DWNT (double) near2 wall\$4 near2 (nano	USPAT;	2003/12/25 16:54
1			adj tube nanotube) doublewall\$4 near2	US-PGPUB;	
İ	1		(nano adj tube nanotube) (graphitic	EPO; JPO;	,
	1		graphene concentric adj sheet) near5 (two	DERWENT;	1
1			"2") with \$5tube) and (emiss\$6 emit\$6) not	IBM TDB	'
i	1		((DWNT (double) near2 wall\$4 near2 (nano	1	,
	i		adj tube nanotube) doublewall\$4 near2		1
i			(nano adj tube nanotube)) and (emiss\$6	I.	· i
1	ı		emit\$6))	i	l.
-	1	7	(DWNT (double) near2 wall\$4 near2 (nano	USPAT;	1 2003/12/25 16:55
1			adj tube nanctube) doublewali\$4 near2	US-PGPUB;	1
!	L		(nano adi tupe nanotube) (graphitic	'EPO; JPO;	i
	1		graphene concentric adj sheet) near5 (two	DERWENT;	i i
!				IBM TDB	
ļ	1		((DWNT (double) near2 wall\$4 near2 (nano		Y.
	į		adj tube nanotube) doublewall\$4 near2		i
ļ			(nano adj tube nanotube)) and (emiss\$6	I	Ì
1	1		emit\$6)) not ((DWNT (double) near2 wall\$4	I	
	1		near2 (nano adj tube nanotube)		1
1			doublewall\$4 near2 (nano adj tube	t	· .
I	t		nanotube) graphene near5 (two "2") with	L	1
	i		\$5tube) and (emiss\$6 emit\$6) not ((DWNT		1
1			(double) near2 wall\$4 near2 (nano ad; tube	I	İ
,	l		nanotube) doublewall\$4 near2 (nano adj	I	1
			tube nanotube)) and (emiss\$6 emit\$6)))		i l
i _			(DWNT MWNT (double) near2 wall\$4 near2	USPAT;	2003/12/25 16:58
•	į	55	(nano adi tube nanotube) doublewall\$4	US-PGPUB;	! !
i	1		near2 (nano adj tube nanotube)) and	EPO; JPO;	1
1			(emiss\$6 emit\$6) and (two "2" double)	1	1
•	l i		! near5 (graphene graphitic layer sheet coat	DERWENT;	I
	1		hears (graphene graphicic layer sheet coat skin)	IBM_TDB	1
i _		31	(DWNT MWNT (double) near2 wall\$4 near2	 IICDATE	, 2003/12/25 16:59
- -	l l	υL		USPAT;	2003/12/23 10:39
i	1		(nano adj tube nanotube) doublewall\$4	US-PGPUB;	·
i			near2 (nano adj tube nanotube)) and	EPO; JPO;	
1	1		(emiss\$6 emit\$6) and electron and (two "2"	DERWENT;	}
i	!		double) near5 (graphene graphitic layer	IBM_TDB	· }
į.			sheet coat skin)		
' =	1		(DWNT MWNT (double) near2 wall\$4 near2	USPAT;	2003/12/25 17:00
	1		(nano adj tube nanotube) doublewall\$4	US-PGPUB;	'
1			near2 (nano adj tube nanotube)) and	EPO; JPO;	
t	1		(emiss\$6 emit\$6) and electron and (two "2"	DERWENT;	!
	1		double) near5 (graphene graphitic	IBM_TDB	:
!			concentric layer sheet coat skin)		

,	33 (DWNT MWNT (double) near2 wall\$4 near2 (nano adj tube nanotube) doublewall\$4	USPAT; US-PGPUB;	2003/12725 17:00
	near2 (nano adj tube nanotube)) and (two "2" double) near5 (graphene graphitic concentric layer sheet coat skin) and	EPO; JPO; DERWENT; IBM TDB	
İ	((DWNT MWNT (double) near2 wall\$4 near2 (nano adj tube nanotube) doublewall\$4 near2 (nano adj tube nanotube)) and		į į
	(emiss%6 emit%6) and electron and (two "2" double) near5 (graphene graphitic	1 1	
-	concentric layer sheet coat skin)) 5 graphitic near2 tubule and (wall\$4)	USPAT; US-PGPUB; EPO; JPO;	2003/12/28 13:07
- !		DERWENT; IBM_TDB USPAT;	2003/12/28 13:17
!	((nano graphitic) adj (tubule tube) nanotube nanotubule) and (graphitic graphene shell) dwnt	US-PGPUB; EPO; JPO; DERWENT;	i
1 -	((double dual) near2 (walled wall) near8 ((nano graphitic) near2 (tubule tube) nanotube nanotubule) and (graphitic	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/12/28 13:17
	graphene shell) dwnt	DERWENT; IBM_TDB	1
	<pre>19 (double dual) near2 (walled wall) near8</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT;	i 2003/12/28 14:23
! - !	3 tomanek-david.in.	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/12/28 13:23
- !	6 ("5780101" "5641466" "5698175"	DERWENT; IBM_TDB USPAT	; 2003/12/28 13:23
-	"5753088" "6208553" "6278231").PN. 1 6473351.pn.	USPAT; US-PGPUB;	2003/12/28 13:30
	1 6473351.pn. and double	EPO; JPO; IBM_TDB USPAT;	2003/12/28 13:31
<u>.</u> 	!	US-PGPUB; EPO; JPO; IBM TDB	2003/12/20 13.31 ! ! !
· -	1 _j 6473351.pn. and (double two "2")	USPAT; US-PGPUB; EPO; JPO;	2003/12/28 13:31
- !	88 ((multi multiple) near2 (walled wall) 'near8 ((nano graphitic) near2 (tubule tube) nanotube nanotubule) and (graphitic graphene shell) mwnt) same (two "2")	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/28 13:46
	(double dual) near2 (walled wall) near8 ((mano graphitic) near2 (tubule tube wire) nanotube nanotubule nanowire) and (graphitic graphene shell) dwnt	IBM_TDB USPAT;	2003/12/28 13:46
- !	88 ((multi multiple) near2 (walled wall) 	IBM_TDB USPAT; US-PGPUB;	2003/12/28 14:23
1	<pre>wire) nanotube nanotubule nanowire) and (graphitic graphene shell) mwnt) same (two</pre>	EPO; JPC; DERWENT; IBM_TDB	
j -]	<pre>88 ((multi multiple) near2 (walled wall) near8 ((nano graphitic) near2 (tubule tube wire pipe) nanotube nanotubule nanowire)</pre>	USPĀT; US-PGPUB; EPO; JPO;	i 2003/12/28 14:23
!	and (graphitic graphene shell) mwnt) same (two "2")	DERWENT;	

; <u>-</u>		19, (double dual) near2 (walled wall) near8	TUSPAT;	72003712728 14:23
	į	((nano graphitic) near2 (tubule tube pipe)	US-PGPUB;	
ļ		nanotube nanotubule) and (graphitic	EPO; JPO;	
	ļ	graphene shell) dwnt	DERWENT;	
	1		IBM TDB	i .